LMS/RFS/S08015

## Rocky Flats Site, Colorado

# Surface Water Configuration Adaptive Management Plan Quarterly Report

## Second Quarter Calendar Year 2011

**July 2011**

U.S. DEPARTMENT OF ENERGY | Legacy Management

LMS/RFS/S08015

U.S. Department of Energy
Office of Legacy Management

# Rocky Flats Site, Colorado

# Surface Water Configuration Adaptive Management Plan Quarterly Report

## Second Quarter Calendar Year 2011

## July 2011

# Contents



# Tables

# Abbreviations

| | |
|---|---|
| AMP | Adaptive Management Plan |
| CY | calendar year |
| DOE | U.S. Department of Energy |
| EA | *Rocky Flats Surface Water Configuration Environmental Assessment* |
| RFLMA | *Rocky Flats Legacy Management Agreement* |
| RFSOG | *Rocky Flats Site Operations Guide* |
| Site | Rocky Flats Site |

# 1.0 Introduction

The Proposed Action assessed in the *Rocky Flats Surface Water Configuration Environmental Assessment* (EA) is to breach the remaining retention pond dams at the Rocky Flats Site (Site) to allow surface water flow to return to the approximate conditions before the retention ponds were constructed. As stated in the EA, based on extensive water quality monitoring data and thorough environmental review, the U.S. Department of Energy (DOE) Office of Legacy Management has determined that the Proposed Action does not present a significant impact on the environment under the National Environmental Policy Act evaluation criteria.

Some members of the public have commented that additional information must be collected prior to implementing the final steps of the Proposed Action to help reduce uncertainty as to whether completion of the Proposed Action will adversely impact the quality of water flowing from the Site and into downstream communities. In response to the requests, DOE initiated a cooperative effort with neighboring community representatives and other interested stakeholders to develop and implement an Adaptive Management Plan (AMP) to provide additional information. The AMP Group is composed of these representatives and stakeholders. The resulting AMP reflects DOE's long-term commitment to implementing the activities that the AMP describes.

The AMP provides for a monitoring and data evaluation program to assist in deciding whether to implement the final steps of the Proposed Action by breaching the terminal dams during the planned timeframe of 2018–2020, or to delay the completion of the Proposed Action to gather additional information for evaluation. The terminal dams will be operated in a flow-through condition during the period leading up to the completion of the Proposed Action, which will provide data similar to what can be expected post-breach. In addition to the AMP monitoring program, this AMP identifies certain performance indicators that DOE will consider in deciding whether to adjust the timeframe for completing the Proposed Action.

This AMP Quarterly Report for the Second Quarter of CY 2011 is provided according to Section 5.0, "Reporting," in the AMP. Section 3.0 provides the data summary tables for this quarter. This includes all validated analytical data available as of June 30, 2011. Subsequent AMP reports will include data that have not been tabulated in previous AMP reports."

AMP monitoring objectives, locations, and sampling criteria are itemized in Table 2 of the AMP. Additional field implementation for the AMP monitoring objectives can be found in the *Rocky Flats Site Operations Guide* (RFSOG) and RFSOG Attachment F4, "Non-RFLMA Monitoring." Analytical data for the following AMP monitoring objectives are included in this report:

- Pre-discharge sampling (Item 1, AMP Table 2)
- Targeted groundwater monitoring (Item 2, AMP Table 2)
- Monitoring to evaluate flow-through operations at Terminal Ponds A-4, B-5, and C-2 (Item 4, AMP Table 2)
- Storm-event monitoring (Item 5, AMP Table 2)
- Continuous flow-paced composite sampling to evaluate uranium transport (Item 6, AMP Table 2)
- Grab sampling for uranium in North and South Walnut Creeks (Item 7, AMP Table 2)
- Grab sampling for nitrate + nitrite as N in Walnut Creek (Item 8, AMP Table 2)

# 2.0 AMP Highlights: Second Quarter CY 2011

- On June 16, 2011, AMP participants were notified of a reportable condition under RFLMA Attachment 2, Section 6.0, "Action Determinations," at RFLMA Point of Evaluation GS10.

  A reportable condition was determined based on evaluation of the most recently available validated analytical results for uranium from the composite sample collected during the period 4/11/11 10:50–5/4/11 11:39. The result for this sample was 71.0 micrograms per liter (µg/L) total uranium. Validated results were received on June 14, 2011.

  The evaluation was performed in accordance with RFLMA Attachment 2, Figure 6, and resulted in a calculated value 12-month rolling average concentration for uranium on April 30, 2011, of 18.8 µg/L. This value exceeds the RFLMA applicable Table 1 standard of 16.8 µg/L.

- One informal e-mail was transmitted to AMP participants, providing notification of a Geospatial Environmental Mapping System posting of validated analytical results for the downstream-most Points of Compliance.

- During the quarter, 133 samples were collected in support of AMP monitoring objectives.

# 3.0 Analytical Data: Second Quarter CY 2011

*Table 1. Analytical Results for Water Samples*

| LOCATION CODE | LOCATION TYPE | DATE SAMPLED | LAB REQUISITION NUMBER | CAS | ANALYTE | SAMPLE ID | RESULT | UNITS | LAB QUALIFIERS | SAMPLE TYPE | DETECTION LIMIT | UNCER-TAINTY | DATA VALIDATION QUALIFIERS | COLLECTION METHOD | LAB CODE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00193 | WL | 4/27/2011 | 11043746 | 000630-20-6 | 1,1,1,2-Tetrachloroethane | N001 | 0.21 | ug/L | U | F | 0.21 | | FQ | G | STD |
| 00193 | WL | 4/27/2011 | 11043746 | 000071-55-6 | 1,1,1-Trichloroethane | N001 | 0.16 | ug/L | U | F | 0.16 | | FQ | G | STD |
| 00193 | WL | 4/27/2011 | 11043746 | 000079-34-5 | 1,1,2,2-Tetrachloroethane | N001 | 0.21 | ug/L | U | F | 0.21 | | FQ | G | STD |
| 00193 | WL | 4/27/2011 | 11043746 | 000079-00-5 | 1,1,2-Trichloroethane | N001 | 0.27 | ug/L | U | F | 0.27 | | FQ | G | STD |
| 00193 | WL | 4/27/2011 | 11043746 | 000075-34-3 | 1,1-Dichloroethane | N001 | 0.22 | ug/L | U | F | 0.22 | | FQ | G | STD |
| 00193 | WL | 4/27/2011 | 11043746 | 000075-35-4 | 1,1-Dichloroethene | N001 | 0.23 | ug/L | U | F | 0.23 | | FQ | G | STD |
| 00193 | WL | 4/27/2011 | 11043746 | 000563-58-6 | 1,1-Dichloropropene | N001 | 0.19 | ug/L | U | F | 0.19 | | FQ | G | STD |
| 00193 | WL | 4/27/2011 | 11043746 | 000087-61-6 | 1,2,3-Trichlorobenzene | N001 | 0.21 | ug/L | U | F | 0.21 | | FQ | G | STD |
| 00193 | WL | 4/27/2011 | 11043746 | 000096-18-4 | 1,2,3-Trichloropropane | N001 | 0.33 | ug/L | U | F | 0.33 | | FQ | G | STD |
| 00193 | WL | 4/27/2011 | 11043746 | 000120-82-1 | 1,2,4-Trichlorobenzene | N001 | 0.21 | ug/L | U | F | 0.21 | | FQ | G | STD |
| 00193 | WL | 4/27/2011 | 11043746 | 000095-63-6 | 1,2,4-Trimethylbenzene | N001 | 0.15 | ug/L | U | F | 0.15 | | FQ | G | STD |
| 00193 | WL | 4/27/2011 | 11043746 | 000096-12-8 | 1,2-Dibromo-3-chloropropane | N001 | 0.47 | ug/L | U | F | 0.47 | | FQ | G | STD |
| 00193 | WL | 4/27/2011 | 11043746 | 000106-93-4 | 1,2-Dibromoethane | N001 | 0.18 | ug/L | U | F | 0.18 | | FQ | G | STD |
| 00193 | WL | 4/27/2011 | 11043746 | 000095-50-1 | 1,2-Dichlorobenzene | N001 | 0.15 | ug/L | U | F | 0.15 | | FQ | G | STD |
| 00193 | WL | 4/27/2011 | 11043746 | 000107-06-2 | 1,2-Dichloroethane | N001 | 0.13 | ug/L | U | F | 0.13 | | FQ | G | STD |
| 00193 | WL | 4/27/2011 | 11043746 | 000078-87-5 | 1,2-Dichloropropane | N001 | 0.18 | ug/L | U | F | 0.18 | | FQ | G | STD |
| 00193 | WL | 4/27/2011 | 11043746 | 000108-67-8 | 1,3,5-Trimethylbenzene | N001 | 0.16 | ug/L | U | F | 0.16 | | FQ | G | STD |
| 00193 | WL | 4/27/2011 | 11043746 | 000541-73-1 | 1,3-Dichlorobenzene | N001 | 0.13 | ug/L | U | F | 0.13 | | FQ | G | STD |
| 00193 | WL | 4/27/2011 | 11043746 | 000142-28-9 | 1,3-Dichloropropane | N001 | 0.22 | ug/L | U | F | 0.22 | | FQ | G | STD |
| 00193 | WL | 4/27/2011 | 11043746 | 000106-46-7 | 1,4-Dichlorobenzene | N001 | 0.16 | ug/L | U | F | 0.16 | | FQ | G | STD |
| 00193 | WL | 4/27/2011 | 11043746 | 000594-20-7 | 2,2-Dichloropropane | N001 | 0.18 | ug/L | U | F | 0.18 | | FQ | G | STD |
| 00193 | WL | 4/27/2011 | 11043746 | 000078-93-3 | 2-Butanone | N001 | 2 | ug/L | U | F | 2 | | FQ | G | STD |
| 00193 | WL | 4/27/2011 | 11043746 | 000095-49-8 | 2-Chlorotoluene | N001 | 0.17 | ug/L | U | F | 0.17 | | FQ | G | STD |
| 00193 | WL | 4/27/2011 | 11043746 | 000591-78-6 | 2-Hexanone | N001 | 1.7 | ug/L | U | F | 1.7 | | FQ | G | STD |
| 00193 | WL | 4/27/2011 | 11043746 | 000106-43-4 | 4-Chlorotoluene | N001 | 0.21 | ug/L | U | F | 0.21 | | FQ | G | STD |
| 00193 | WL | 4/27/2011 | 11043746 | 000108-10-1 | 4-Methyl-2-Pentanone | N001 | 0.98 | ug/L | U | F | 0.98 | | FQ | G | STD |
| 00193 | WL | 4/27/2011 | 11043746 | 000067-64-1 | Acetone | N001 | 6.4 | ug/L | J | F | 1.9 | | UFQ | G | STD |
| 00193 | WL | 4/27/2011 | 11043746 | 000071-43-2 | Benzene | N001 | 0.16 | ug/L | U | F | 0.16 | | FQ | G | STD |
| 00193 | WL | 4/27/2011 | 11043746 | 000108-86-1 | Bromobenzene | N001 | 0.17 | ug/L | U | F | 0.17 | | FQ | G | STD |
| 00193 | WL | 4/27/2011 | 11043746 | 000074-97-5 | Bromochloromethane | N001 | 0.1 | ug/L | U | F | 0.1 | | FQ | G | STD |
| 00193 | WL | 4/27/2011 | 11043746 | 000075-27-4 | Bromodichloromethane | N001 | 0.17 | ug/L | U | F | 0.17 | | FQ | G | STD |
| 00193 | WL | 4/27/2011 | 11043746 | 000075-25-2 | Bromoform | N001 | 0.19 | ug/L | U | F | 0.19 | | FQ | G | STD |
| 00193 | WL | 4/27/2011 | 11043746 | 000074-83-9 | Bromomethane | N001 | 0.21 | ug/L | U | F | 0.21 | | FQ | G | STD |
| 00193 | WL | 4/27/2011 | 11043746 | 000075-15-0 | Carbon Disulfide | N001 | 0.45 | ug/L | U | F | 0.45 | | FQ | G | STD |
| 00193 | WL | 4/27/2011 | 11043746 | 000056-23-5 | Carbon tetrachloride | N001 | 0.19 | ug/L | U | F | 0.19 | | FQ | G | STD |
| 00193 | WL | 4/27/2011 | 11043746 | 000108-90-7 | Chlorobenzene | N001 | 0.17 | ug/L | U | F | 0.17 | | FQ | G | STD |
| 00193 | WL | 4/27/2011 | 11043746 | 000124-48-1 | Chlorodibromomethane | N001 | 0.17 | ug/L | U | F | 0.17 | | FQ | G | STD |
| 00193 | WL | 4/27/2011 | 11043746 | 000075-00-3 | Chloroethane | N001 | 0.41 | ug/L | U | F | 0.41 | | FQ | G | STD |
| 00193 | WL | 4/27/2011 | 11043746 | 000067-66-3 | Chloroform | N001 | 0.16 | ug/L | U | F | 0.16 | | FQ | G | STD |
| 00193 | WL | 4/27/2011 | 11043746 | 000074-87-3 | Chloromethane | N001 | 0.3 | ug/L | U | F | 0.3 | | FQ | G | STD |
| 00193 | WL | 4/27/2011 | 11043746 | 000156-59-2 | cis-1,2-Dichloroethene | N001 | 0.15 | ug/L | U | F | 0.15 | | FQ | G | STD |
| 00193 | WL | 4/27/2011 | 11043746 | 010061-01-5 | cis-1,3-Dichloropropene | N001 | 0.16 | ug/L | U | F | 0.16 | | FQ | G | STD |
| 00193 | WL | 4/27/2011 | 11043746 | 000074-95-3 | Dibromomethane | N001 | 0.17 | ug/L | U | F | 0.17 | | FQ | G | STD |
| 00193 | WL | 4/27/2011 | 11043746 | 000075-71-8 | Dichlorodifluoromethane | N001 | 0.31 | ug/L | U | F | 0.31 | | FQ | G | STD |
| 00193 | WL | 4/27/2011 | 11043746 | 000100-41-4 | Ethylbenzene | N001 | 0.16 | ug/L | U | F | 0.16 | | FQ | G | STD |
| 00193 | WL | 4/27/2011 | 11043746 | 000087-68-3 | Hexachlorobutadiene | N001 | 0.12 | ug/L | U | F | 0.12 | | FQ | G | STD |
| 00193 | WL | 4/27/2011 | 11043746 | 000098-82-8 | Isopropylbenzene | N001 | 0.19 | ug/L | U | F | 0.19 | | FQ | G | STD |
| 00193 | WL | 4/27/2011 | 11043746 | 000075-09-2 | Methylene chloride | N001 | 0.38 | ug/L | JB | F | 0.32 | | UFQ | G | STD |
| 00193 | WL | 4/27/2011 | 11043746 | 000091-20-3 | Naphthalene | N001 | 0.22 | ug/L | U | F | 0.22 | | FQ | G | STD |
| 00193 | WL | 4/27/2011 | 11043746 | 000104-51-8 | n-Butylbenzene | N001 | 0.14 | ug/L | U | F | 0.14 | | FQ | G | STD |
| 00193 | WL | 4/27/2011 | 11043746 | 000103-65-1 | n-Propylbenzene | N001 | 0.16 | ug/L | U | F | 0.16 | | FQ | G | STD |
| 00193 | WL | 4/27/2011 | 11043746 | 000099-87-6 | p-Isopropyltoluene | N001 | 0.2 | ug/L | U | F | 0.2 | | FQ | G | STD |
| 00193 | WL | 4/27/2011 | 11043746 | 000135-98-8 | sec-Butylbenzene | N001 | 0.17 | ug/L | U | F | 0.17 | | FQ | G | STD |
| 00193 | WL | 4/27/2011 | 11043746 | 000100-42-5 | Styrene | N001 | 0.17 | ug/L | U | F | 0.17 | | FQ | G | STD |
| 00193 | WL | 4/27/2011 | 11043746 | 000098-06-6 | tert-Butylbenzene | N001 | 0.16 | ug/L | U | F | 0.16 | | FQ | G | STD |
| 00193 | WL | 4/27/2011 | 11043746 | 000127-18-4 | Tetrachloroethene | N001 | 0.2 | ug/L | U | F | 0.2 | | FQ | G | STD |
| 00193 | WL | 4/27/2011 | 11043746 | 000108-88-3 | Toluene | N001 | 0.17 | ug/L | U | F | 0.17 | | FQ | G | STD |
| 00193 | WL | 4/27/2011 | 11043746 | 001330-20-7 | Total Xylenes | N001 | 0.19 | ug/L | U | F | 0.19 | | FQ | G | STD |
| 00193 | WL | 4/27/2011 | 11043746 | 000156-60-5 | trans-1,2-Dichloroethene | N001 | 0.15 | ug/L | U | F | 0.15 | | FQ | G | STD |
| 00193 | WL | 4/27/2011 | 11043746 | 010061-02-6 | trans-1,3-dichloropropene | N001 | 0.19 | ug/L | U | F | 0.19 | | FQ | G | STD |
| 00193 | WL | 4/27/2011 | 11043746 | 000079-01-6 | Trichloroethene | N001 | 0.16 | ug/L | U | F | 0.16 | | FQ | G | STD |
| 00193 | WL | 4/27/2011 | 11043746 | 000075-69-4 | Trichlorofluoromethane | N001 | 0.29 | ug/L | U | F | 0.29 | | FQ | G | STD |
| 00193 | WL | 4/27/2011 | 11043746 | 07440-61-1 | Uranium | 0001 | 70 | ug/L | | F | 0.02 | | FQ | G | STD |
| 00193 | WL | 4/27/2011 | 11043746 | 000075-01-4 | Vinyl chloride | N001 | 0.1 | ug/L | U | F | 0.1 | | FQ | G | STD |

| LOCATION CODE | LOCATION TYPE | DATE SAMPLED | LAB REQUISITION NUMBER | CAS | ANALYTE | SAMPLE ID | RESULT | UNITS | LAB QUALIFIERS | SAMPLE TYPE | DETECTION LIMIT | UNCER-TAINTY | DATA VALIDATION QUALIFIERS | COLLECTION METHOD | LAB CODE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10304 | WL | 4/27/2011 | 11043746 | 000630-20-6 | 1,1,1,2-Tetrachloroethane | N001 | 0.21 | ug/L | U | F | 0.21 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000630-20-6 | 1,1,1,2-Tetrachloroethane | N002 | 0.21 | ug/L | U | D | 0.21 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000071-55-6 | 1,1,1-Trichloroethane | N001 | 0.16 | ug/L | U | F | 0.16 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000071-55-6 | 1,1,1-Trichloroethane | N002 | 0.16 | ug/L | U | D | 0.16 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000079-34-5 | 1,1,2,2-Tetrachloroethane | N001 | 0.21 | ug/L | U | F | 0.21 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000079-34-5 | 1,1,2,2-Tetrachloroethane | N002 | 0.21 | ug/L | U | D | 0.21 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000079-00-5 | 1,1,2-Trichloroethane | N001 | 0.27 | ug/L | U | F | 0.27 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000079-00-5 | 1,1,2-Trichloroethane | N002 | 0.27 | ug/L | U | D | 0.27 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000075-34-3 | 1,1-Dichloroethane | N001 | 0.22 | ug/L | U | F | 0.22 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000075-34-3 | 1,1-Dichloroethane | N002 | 0.22 | ug/L | U | D | 0.22 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000075-35-4 | 1,1-Dichloroethene | N001 | 0.23 | ug/L | U | F | 0.23 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000075-35-4 | 1,1-Dichloroethene | N002 | 0.23 | ug/L | U | D | 0.23 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000563-58-6 | 1,1-Dichloropropene | N001 | 0.19 | ug/L | U | F | 0.19 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000563-58-6 | 1,1-Dichloropropene | N002 | 0.19 | ug/L | U | D | 0.19 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000087-61-6 | 1,2,3-Trichlorobenzene | N001 | 0.21 | ug/L | U | F | 0.21 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000087-61-6 | 1,2,3-Trichlorobenzene | N002 | 0.21 | ug/L | U | D | 0.21 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000096-18-4 | 1,2,3-Trichloropropane | N001 | 0.33 | ug/L | U | F | 0.33 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000096-18-4 | 1,2,3-Trichloropropane | N002 | 0.33 | ug/L | U | D | 0.33 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000120-82-1 | 1,2,4-Trichlorobenzene | N001 | 0.21 | ug/L | U | F | 0.21 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000120-82-1 | 1,2,4-Trichlorobenzene | N002 | 0.21 | ug/L | U | D | 0.21 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000095-63-6 | 1,2,4-Trimethylbenzene | N001 | 0.15 | ug/L | U | F | 0.15 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000095-63-6 | 1,2,4-Trimethylbenzene | N002 | 0.15 | ug/L | U | D | 0.15 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000096-12-8 | 1,2-Dibromo-3-chloropropane | N001 | 0.47 | ug/L | U | F | 0.47 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000096-12-8 | 1,2-Dibromo-3-chloropropane | N002 | 0.47 | ug/L | U | D | 0.47 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000106-93-4 | 1,2-Dibromoethane | N001 | 0.18 | ug/L | U | F | 0.18 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000106-93-4 | 1,2-Dibromoethane | N002 | 0.18 | ug/L | U | D | 0.18 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000095-50-1 | 1,2-Dichlorobenzene | N001 | 0.15 | ug/L | U | F | 0.15 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000095-50-1 | 1,2-Dichlorobenzene | N002 | 0.15 | ug/L | U | D | 0.15 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000107-06-2 | 1,2-Dichloroethane | N001 | 0.13 | ug/L | U | F | 0.13 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000107-06-2 | 1,2-Dichloroethane | N002 | 0.13 | ug/L | U | D | 0.13 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000078-87-5 | 1,2-Dichloropropane | N001 | 0.18 | ug/L | U | F | 0.18 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000078-87-5 | 1,2-Dichloropropane | N002 | 0.18 | ug/L | U | D | 0.18 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000108-67-8 | 1,3,5-Trimethylbenzene | N001 | 0.16 | ug/L | U | F | 0.16 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000108-67-8 | 1,3,5-Trimethylbenzene | N002 | 0.16 | ug/L | U | D | 0.16 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000541-73-1 | 1,3-Dichlorobenzene | N001 | 0.13 | ug/L | U | F | 0.13 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000541-73-1 | 1,3-Dichlorobenzene | N002 | 0.13 | ug/L | U | D | 0.13 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000142-28-9 | 1,3-Dichloropropane | N001 | 0.22 | ug/L | U | F | 0.22 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000142-28-9 | 1,3-Dichloropropane | N002 | 0.22 | ug/L | U | D | 0.22 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000106-46-7 | 1,4-Dichlorobenzene | N001 | 0.16 | ug/L | U | F | 0.16 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000106-46-7 | 1,4-Dichlorobenzene | N002 | 0.16 | ug/L | U | D | 0.16 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000594-20-7 | 2,2-Dichloropropane | N001 | 0.18 | ug/L | U | F | 0.18 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000594-20-7 | 2,2-Dichloropropane | N002 | 0.18 | ug/L | U | D | 0.18 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000078-93-3 | 2-Butanone | N001 | 2 | ug/L | U | F | 2 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000078-93-3 | 2-Butanone | N002 | 2 | ug/L | U | D | 2 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000095-49-8 | 2-Chlorotoluene | N001 | 0.17 | ug/L | U | F | 0.17 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000095-49-8 | 2-Chlorotoluene | N002 | 0.17 | ug/L | U | D | 0.17 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000591-78-6 | 2-Hexanone | N001 | 1.7 | ug/L | U | F | 1.7 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000591-78-6 | 2-Hexanone | N002 | 1.7 | ug/L | U | D | 1.7 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000106-43-4 | 4-Chlorotoluene | N001 | 0.21 | ug/L | U | F | 0.21 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000106-43-4 | 4-Chlorotoluene | N002 | 0.21 | ug/L | U | D | 0.21 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000108-10-1 | 4-Methyl-2-Pentanone | N001 | 0.98 | ug/L | U | F | 0.98 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000108-10-1 | 4-Methyl-2-Pentanone | N002 | 0.98 | ug/L | U | D | 0.98 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000067-64-1 | Acetone | N001 | 1.9 | ug/L | U | F | 1.9 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000067-64-1 | Acetone | N002 | 1.9 | ug/L | U | D | 1.9 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000071-43-2 | Benzene | N001 | 0.16 | ug/L | U | F | 0.16 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000071-43-2 | Benzene | N002 | 0.16 | ug/L | U | D | 0.16 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000108-86-1 | Bromobenzene | N001 | 0.17 | ug/L | U | F | 0.17 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000108-86-1 | Bromobenzene | N002 | 0.17 | ug/L | U | D | 0.17 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000074-97-5 | Bromochloromethane | N001 | 0.1 | ug/L | U | F | 0.1 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000074-97-5 | Bromochloromethane | N002 | 0.1 | ug/L | U | D | 0.1 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000075-27-4 | Bromodichloromethane | N001 | 0.17 | ug/L | U | F | 0.17 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000075-27-4 | Bromodichloromethane | N002 | 0.17 | ug/L | U | D | 0.17 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000075-25-2 | Bromoform | N001 | 0.19 | ug/L | U | F | 0.19 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000075-25-2 | Bromoform | N002 | 0.19 | ug/L | U | D | 0.19 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000074-83-9 | Bromomethane | N001 | 0.21 | ug/L | U | F | 0.21 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000074-83-9 | Bromomethane | N002 | 0.21 | ug/L | U | D | 0.21 | | F | G | STD |

*Table 1. Analytical Results for Water Samples*

| LOCATION CODE | LOCATION TYPE | DATE SAMPLED | LAB REQUISITION NUMBER | CAS | ANALYTE | SAMPLE ID | RESULT | UNITS | LAB QUALIFIERS | SAMPLE TYPE | DETECTION LIMIT | UNCER-TAINTY | DATA VALIDATION QUALIFIERS | COLLECTION METHOD | LAB CODE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10304 | WL | 4/27/2011 | 11043746 | 000075-15-0 | Carbon Disulfide | N001 | 0.45 | ug/L | U | F | 0.45 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000075-15-0 | Carbon Disulfide | N002 | 0.45 | ug/L | U | D | 0.45 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000056-23-5 | Carbon tetrachloride | N001 | 0.19 | ug/L | U | F | 0.19 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000056-23-5 | Carbon tetrachloride | N002 | 0.19 | ug/L | U | D | 0.19 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000108-90-7 | Chlorobenzene | N001 | 0.17 | ug/L | U | F | 0.17 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000108-90-7 | Chlorobenzene | N002 | 0.17 | ug/L | U | D | 0.17 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000124-48-1 | Chlorodibromomethane | N001 | 0.17 | ug/L | U | F | 0.17 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000124-48-1 | Chlorodibromomethane | N002 | 0.17 | ug/L | U | D | 0.17 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000075-00-3 | Chloroethane | N001 | 0.41 | ug/L | U | F | 0.41 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000075-00-3 | Chloroethane | N002 | 0.41 | ug/L | U | D | 0.41 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000067-66-3 | Chloroform | N001 | 0.16 | ug/L | U | F | 0.16 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000067-66-3 | Chloroform | N002 | 0.16 | ug/L | U | D | 0.16 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000074-87-3 | Chloromethane | N001 | 0.3 | ug/L | U | F | 0.3 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000074-87-3 | Chloromethane | N002 | 0.3 | ug/L | U | D | 0.3 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000156-59-2 | cis-1,2-Dichloroethene | N001 | 0.15 | ug/L | U | F | 0.15 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000156-59-2 | cis-1,2-Dichloroethene | N002 | 0.15 | ug/L | U | D | 0.15 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 010061-01-5 | cis-1,3-Dichloropropene | N001 | 0.16 | ug/L | U | F | 0.16 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 010061-01-5 | cis-1,3-Dichloropropene | N002 | 0.16 | ug/L | U | D | 0.16 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000074-95-3 | Dibromomethane | N001 | 0.17 | ug/L | U | F | 0.17 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000074-95-3 | Dibromomethane | N002 | 0.17 | ug/L | U | D | 0.17 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000075-71-8 | Dichlorodifluoromethane | N001 | 0.31 | ug/L | U | F | 0.31 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000075-71-8 | Dichlorodifluoromethane | N002 | 0.31 | ug/L | U | D | 0.31 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000100-41-4 | Ethylbenzene | N001 | 0.16 | ug/L | U | F | 0.16 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000100-41-4 | Ethylbenzene | N002 | 0.16 | ug/L | U | D | 0.16 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000087-68-3 | Hexachlorobutadiene | N001 | 0.12 | ug/L | U | F | 0.12 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000087-68-3 | Hexachlorobutadiene | N002 | 0.12 | ug/L | U | D | 0.12 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000098-82-8 | Isopropylbenzene | N001 | 0.19 | ug/L | U | F | 0.19 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000098-82-8 | Isopropylbenzene | N002 | 0.19 | ug/L | U | D | 0.19 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000075-09-2 | Methylene chloride | N001 | 0.32 | ug/L | U | F | 0.32 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000075-09-2 | Methylene chloride | N002 | 0.45 | ug/L | JB | D | 0.32 | | UF | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000091-20-3 | Naphthalene | N001 | 0.22 | ug/L | U | F | 0.22 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000091-20-3 | Naphthalene | N002 | 0.22 | ug/L | U | D | 0.22 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000104-51-8 | n-Butylbenzene | N001 | 0.14 | ug/L | U | F | 0.14 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000104-51-8 | n-Butylbenzene | N002 | 0.14 | ug/L | U | D | 0.14 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | NO3+NO2 AS N | Nitrate + Nitrite as Nitrogen | N001 | 0.13 | mg/L | | F | 0.019 | | FJ | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | NO3+NO2 AS N | Nitrate + Nitrite as Nitrogen | N002 | 0.13 | mg/L | | D | 0.019 | | FJ | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000103-65-1 | n-Propylbenzene | N001 | 0.16 | ug/L | U | F | 0.16 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000103-65-1 | n-Propylbenzene | N002 | 0.16 | ug/L | U | D | 0.16 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000099-87-6 | p-Isopropyltoluene | N001 | 0.2 | ug/L | U | F | 0.2 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000099-87-6 | p-Isopropyltoluene | N002 | 0.2 | ug/L | U | D | 0.2 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000135-98-8 | sec-Butylbenzene | N001 | 0.17 | ug/L | U | F | 0.17 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000135-98-8 | sec-Butylbenzene | N002 | 0.17 | ug/L | U | D | 0.17 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000100-42-5 | Styrene | N001 | 0.17 | ug/L | U | F | 0.17 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000100-42-5 | Styrene | N002 | 0.17 | ug/L | U | D | 0.17 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000098-06-6 | tert-Butylbenzene | N001 | 0.16 | ug/L | U | F | 0.16 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000098-06-6 | tert-Butylbenzene | N002 | 0.16 | ug/L | U | D | 0.16 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000127-18-4 | Tetrachloroethene | N001 | 0.2 | ug/L | U | F | 0.2 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000127-18-4 | Tetrachloroethene | N002 | 0.2 | ug/L | U | D | 0.2 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000108-88-3 | Toluene | N001 | 0.17 | ug/L | U | F | 0.17 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000108-88-3 | Toluene | N002 | 0.17 | ug/L | U | D | 0.17 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 001330-20-7 | Total Xylenes | N001 | 0.19 | ug/L | U | F | 0.19 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 001330-20-7 | Total Xylenes | N002 | 0.19 | ug/L | U | D | 0.19 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000156-60-5 | trans-1,2-Dichloroethene | N001 | 0.15 | ug/L | U | F | 0.15 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000156-60-5 | trans-1,2-Dichloroethene | N002 | 0.15 | ug/L | U | D | 0.15 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 010061-02-6 | trans-1,3-dichloropropene | N001 | 0.19 | ug/L | U | F | 0.19 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 010061-02-6 | trans-1,3-dichloropropene | N002 | 0.19 | ug/L | U | D | 0.19 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000079-01-6 | Trichloroethene | N001 | 0.16 | ug/L | U | F | 0.16 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000079-01-6 | Trichloroethene | N002 | 0.16 | ug/L | U | D | 0.16 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000075-69-4 | Trichlorofluoromethane | N001 | 0.29 | ug/L | U | F | 0.29 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000075-69-4 | Trichlorofluoromethane | N002 | 0.29 | ug/L | U | D | 0.29 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 07440-61-1 | Uranium | 0001 | 13 | ug/L | | F | 0.02 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 07440-61-1 | Uranium | 0002 | 13 | ug/L | | D | 0.02 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000075-01-4 | Vinyl chloride | N001 | 0.1 | ug/L | U | F | 0.1 | | F | G | STD |
| 10304 | WL | 4/27/2011 | 11043746 | 000075-01-4 | Vinyl chloride | N002 | 0.1 | ug/L | U | D | 0.1 | | F | G | STD |
| 89104 | WL | 4/27/2011 | 11043746 | 000630-20-6 | 1,1,1,2-Tetrachloroethane | N001 | 0.21 | ug/L | U | F | 0.21 | | F | G | STD |
| 89104 | WL | 4/27/2011 | 11043746 | 000071-55-6 | 1,1,1-Trichloroethane | N001 | 0.16 | ug/L | U | F | 0.16 | | F | G | STD |

*Table 1. Analytical Results for Water Samples*

| LOCATION CODE | LOCATION TYPE | DATE SAMPLED | LAB REQUISITION NUMBER | CAS | ANALYTE | SAMPLE ID | RESULT | UNITS | LAB QUALIFIERS | SAMPLE TYPE | DETECTION LIMIT | UNCER-TAINTY | DATA VALIDATION QUALIFIERS | COLLECTION METHOD | LAB CODE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 89104 | WL | 4/27/2011 | 11043746 | 000079-34-5 | 1,1,2,2-Tetrachloroethane | N001 | 0.21 | ug/L | U | F | 0.21 | | F | G | STD |
| 89104 | WL | 4/27/2011 | 11043746 | 000079-00-5 | 1,1,2-Trichloroethane | N001 | 0.27 | ug/L | U | F | 0.27 | | F | G | STD |
| 89104 | WL | 4/27/2011 | 11043746 | 000075-34-3 | 1,1-Dichloroethane | N001 | 0.22 | ug/L | U | F | 0.22 | | F | G | STD |
| 89104 | WL | 4/27/2011 | 11043746 | 000075-35-4 | 1,1-Dichloroethene | N001 | 0.23 | ug/L | U | F | 0.23 | | F | G | STD |
| 89104 | WL | 4/27/2011 | 11043746 | 000563-58-6 | 1,1-Dichloropropene | N001 | 0.19 | ug/L | U | F | 0.19 | | F | G | STD |
| 89104 | WL | 4/27/2011 | 11043746 | 000087-61-6 | 1,2,3-Trichlorobenzene | N001 | 0.21 | ug/L | U | F | 0.21 | | F | G | STD |
| 89104 | WL | 4/27/2011 | 11043746 | 000096-18-4 | 1,2,3-Trichloropropane | N001 | 0.33 | ug/L | U | F | 0.33 | | F | G | STD |
| 89104 | WL | 4/27/2011 | 11043746 | 000120-82-1 | 1,2,4-Trichlorobenzene | N001 | 0.21 | ug/L | U | F | 0.21 | | F | G | STD |
| 89104 | WL | 4/27/2011 | 11043746 | 000095-63-6 | 1,2,4-Trimethylbenzene | N001 | 0.15 | ug/L | U | F | 0.15 | | F | G | STD |
| 89104 | WL | 4/27/2011 | 11043746 | 000096-12-8 | 1,2-Dibromo-3-chloropropane | N001 | 0.47 | ug/L | U | F | 0.47 | | F | G | STD |
| 89104 | WL | 4/27/2011 | 11043746 | 000106-93-4 | 1,2-Dibromoethane | N001 | 0.18 | ug/L | U | F | 0.18 | | F | G | STD |
| 89104 | WL | 4/27/2011 | 11043746 | 000095-50-1 | 1,2-Dichlorobenzene | N001 | 0.15 | ug/L | U | F | 0.15 | | F | G | STD |
| 89104 | WL | 4/27/2011 | 11043746 | 000107-06-2 | 1,2-Dichloroethane | N001 | 0.13 | ug/L | U | F | 0.13 | | F | G | STD |
| 89104 | WL | 4/27/2011 | 11043746 | 000078-87-5 | 1,2-Dichloropropane | N001 | 0.18 | ug/L | U | F | 0.18 | | F | G | STD |
| 89104 | WL | 4/27/2011 | 11043746 | 000108-67-8 | 1,3,5-Trimethylbenzene | N001 | 0.16 | ug/L | U | F | 0.16 | | F | G | STD |
| 89104 | WL | 4/27/2011 | 11043746 | 000541-73-1 | 1,3-Dichlorobenzene | N001 | 0.13 | ug/L | U | F | 0.13 | | F | G | STD |
| 89104 | WL | 4/27/2011 | 11043746 | 000142-28-9 | 1,3-Dichloropropane | N001 | 0.22 | ug/L | U | F | 0.22 | | F | G | STD |
| 89104 | WL | 4/27/2011 | 11043746 | 000106-46-7 | 1,4-Dichlorobenzene | N001 | 0.16 | ug/L | U | F | 0.16 | | F | G | STD |
| 89104 | WL | 4/27/2011 | 11043746 | 000594-20-7 | 2,2-Dichloropropane | N001 | 0.18 | ug/L | U | F | 0.18 | | F | G | STD |
| 89104 | WL | 4/27/2011 | 11043746 | 000078-93-3 | 2-Butanone | N001 | 2 | ug/L | U | F | 2 | | F | G | STD |
| 89104 | WL | 4/27/2011 | 11043746 | 000095-49-8 | 2-Chlorotoluene | N001 | 0.17 | ug/L | U | F | 0.17 | | F | G | STD |
| 89104 | WL | 4/27/2011 | 11043746 | 000591-78-6 | 2-Hexanone | N001 | 1.7 | ug/L | U | F | 1.7 | | F | G | STD |
| 89104 | WL | 4/27/2011 | 11043746 | 000106-43-4 | 4-Chlorotoluene | N001 | 0.21 | ug/L | U | F | 0.21 | | F | G | STD |
| 89104 | WL | 4/27/2011 | 11043746 | 000108-10-1 | 4-Methyl-2-Pentanone | N001 | 0.98 | ug/L | U | F | 0.98 | | F | G | STD |
| 89104 | WL | 4/27/2011 | 11043746 | 000067-64-1 | Acetone | N001 | 1.9 | ug/L | U | F | 1.9 | | F | G | STD |
| 89104 | WL | 4/27/2011 | 11043746 | 000071-43-2 | Benzene | N001 | 0.16 | ug/L | U | F | 0.16 | | F | G | STD |
| 89104 | WL | 4/27/2011 | 11043746 | 000108-86-1 | Bromobenzene | N001 | 0.17 | ug/L | U | F | 0.17 | | F | G | STD |
| 89104 | WL | 4/27/2011 | 11043746 | 000074-97-5 | Bromochloromethane | N001 | 0.1 | ug/L | U | F | 0.1 | | F | G | STD |
| 89104 | WL | 4/27/2011 | 11043746 | 000075-27-4 | Bromodichloromethane | N001 | 0.17 | ug/L | U | F | 0.17 | | F | G | STD |
| 89104 | WL | 4/27/2011 | 11043746 | 000075-25-2 | Bromoform | N001 | 0.19 | ug/L | U | F | 0.19 | | F | G | STD |
| 89104 | WL | 4/27/2011 | 11043746 | 000074-83-9 | Bromomethane | N001 | 0.21 | ug/L | U | F | 0.21 | | F | G | STD |
| 89104 | WL | 4/27/2011 | 11043746 | 000075-15-0 | Carbon Disulfide | N001 | 0.45 | ug/L | U | F | 0.45 | | F | G | STD |
| 89104 | WL | 4/27/2011 | 11043746 | 000056-23-5 | Carbon tetrachloride | N001 | 0.19 | ug/L | U | F | 0.19 | | F | G | STD |
| 89104 | WL | 4/27/2011 | 11043746 | 000108-90-7 | Chlorobenzene | N001 | 0.17 | ug/L | U | F | 0.17 | | F | G | STD |
| 89104 | WL | 4/27/2011 | 11043746 | 000124-48-1 | Chlorodibromomethane | N001 | 0.17 | ug/L | U | F | 0.17 | | F | G | STD |
| 89104 | WL | 4/27/2011 | 11043746 | 000075-00-3 | Chloroethane | N001 | 0.41 | ug/L | U | F | 0.41 | | F | G | STD |
| 89104 | WL | 4/27/2011 | 11043746 | 000067-66-3 | Chloroform | N001 | 0.16 | ug/L | U | F | 0.16 | | F | G | STD |
| 89104 | WL | 4/27/2011 | 11043746 | 000074-87-3 | Chloromethane | N001 | 0.3 | ug/L | U | F | 0.3 | | F | G | STD |
| 89104 | WL | 4/27/2011 | 11043746 | 000156-59-2 | cis-1,2-Dichloroethene | N001 | 0.15 | ug/L | U | F | 0.15 | | F | G | STD |
| 89104 | WL | 4/27/2011 | 11043746 | 010061-01-5 | cis-1,3-Dichloropropene | N001 | 0.16 | ug/L | U | F | 0.16 | | F | G | STD |
| 89104 | WL | 4/27/2011 | 11043746 | 000074-95-3 | Dibromomethane | N001 | 0.17 | ug/L | U | F | 0.17 | | F | G | STD |
| 89104 | WL | 4/27/2011 | 11043746 | 000075-71-8 | Dichlorodifluoromethane | N001 | 0.31 | ug/L | U | F | 0.31 | | F | G | STD |
| 89104 | WL | 4/27/2011 | 11043746 | 000100-41-4 | Ethylbenzene | N001 | 0.16 | ug/L | U | F | 0.16 | | F | G | STD |
| 89104 | WL | 4/27/2011 | 11043746 | 000087-68-3 | Hexachlorobutadiene | N001 | 0.12 | ug/L | U | F | 0.12 | | F | G | STD |
| 89104 | WL | 4/27/2011 | 11043746 | 000098-82-8 | Isopropylbenzene | N001 | 0.19 | ug/L | U | F | 0.19 | | F | G | STD |
| 89104 | WL | 4/27/2011 | 11043746 | 000075-09-2 | Methylene chloride | N001 | 0.32 | ug/L | U | F | 0.32 | | F | G | STD |
| 89104 | WL | 4/27/2011 | 11043746 | 000091-20-3 | Naphthalene | N001 | 0.22 | ug/L | U | F | 0.22 | | F | G | STD |
| 89104 | WL | 4/27/2011 | 11043746 | 000104-51-8 | n-Butylbenzene | N001 | 0.14 | ug/L | U | F | 0.14 | | F | G | STD |
| 89104 | WL | 4/27/2011 | 11043746 | 000103-65-1 | n-Propylbenzene | N001 | 0.16 | ug/L | U | F | 0.16 | | F | G | STD |
| 89104 | WL | 4/27/2011 | 11043746 | 000099-87-6 | p-Isopropyltoluene | N001 | 0.2 | ug/L | U | F | 0.2 | | F | G | STD |
| 89104 | WL | 4/27/2011 | 11043746 | 000135-98-8 | sec-Butylbenzene | N001 | 0.17 | ug/L | U | F | 0.17 | | F | G | STD |
| 89104 | WL | 4/27/2011 | 11043746 | 000100-42-5 | Styrene | N001 | 0.17 | ug/L | U | F | 0.17 | | F | G | STD |
| 89104 | WL | 4/27/2011 | 11043746 | 000098-06-6 | tert-Butylbenzene | N001 | 0.16 | ug/L | U | F | 0.16 | | F | G | STD |
| 89104 | WL | 4/27/2011 | 11043746 | 000127-18-4 | Tetrachloroethene | N001 | 0.2 | ug/L | U | F | 0.2 | | F | G | STD |
| 89104 | WL | 4/27/2011 | 11043746 | 000108-88-3 | Toluene | N001 | 0.17 | ug/L | U | F | 0.17 | | F | G | STD |
| 89104 | WL | 4/27/2011 | 11043746 | 001330-20-7 | Total Xylenes | N001 | 0.19 | ug/L | U | F | 0.19 | | F | G | STD |
| 89104 | WL | 4/27/2011 | 11043746 | 000156-60-5 | trans-1,2-Dichloroethene | N001 | 0.15 | ug/L | U | F | 0.15 | | F | G | STD |
| 89104 | WL | 4/27/2011 | 11043746 | 010061-02-6 | trans-1,3-dichloropropene | N001 | 0.19 | ug/L | U | F | 0.19 | | F | G | STD |
| 89104 | WL | 4/27/2011 | 11043746 | 000079-01-6 | Trichloroethene | N001 | 0.16 | ug/L | U | F | 0.16 | | F | G | STD |
| 89104 | WL | 4/27/2011 | 11043746 | 000075-69-4 | Trichlorofluoromethane | N001 | 0.29 | ug/L | U | F | 0.29 | | F | G | STD |
| 89104 | WL | 4/27/2011 | 11043746 | 000075-01-4 | Vinyl chloride | N001 | 0.1 | ug/L | U | F | 0.1 | | F | G | STD |
| A1EFF | SL | 4/6/2011 | 11043716 | NO3+NO2 AS N | Nitrate + Nitrite as Nitrogen | N001 | 15 | mg/L | | F | 0.038 | | valid | G | STD |
| A1EFF | SL | 4/6/2011 | 11043716 | 07440-61-1 | Uranium | N001 | 55 | ug/L | B | F | 0.02 | | valid | G | STD |
| A2EFF | SL | 4/6/2011 | 11043716 | NO3+NO2 AS N | Nitrate + Nitrite as Nitrogen | N001 | 3.8 | mg/L | | F | 0.019 | | valid | G | STD |
| A2EFF | SL | 4/6/2011 | 11043716 | 07440-61-1 | Uranium | N001 | 73 | ug/L | B | F | 0.02 | | valid | G | STD |
| A4 POND | SL | 4/6/2011 | 11043716 | NO3+NO2 AS N | Nitrate + Nitrite as Nitrogen | N001 | 0.043 | mg/L | J | F | 0.019 | | valid | G | STD |

*Table 1. Analytical Results for Water Samples*

| LOCATION CODE | LOCATION TYPE | DATE SAMPLED | LAB REQUISITION NUMBER | CAS | ANALYTE | SAMPLE ID | RESULT | UNITS | LAB QUALIFIERS | SAMPLE TYPE | DETECTION LIMIT | UNCER-TAINTY | DATA VALIDATION QUALIFIERS | COLLECTION METHOD | LAB CODE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A4 POND | SL | 4/6/2011 | 11043716 | 07440-61-1 | Uranium | N001 | 9.6 | ug/L | B | F | 0.02 | | valid | G | STD |
| B3OUTFLOW | SL | 4/6/2011 | 11043716 | 07440-61-1 | Uranium | N001 | 16 | ug/L | B | F | 0.02 | | valid | G | STD |
| B5 POND | SL | 4/6/2011 | 11043716 | 07440-61-1 | Uranium | N001 | 7.9 | ug/L | B | F | 0.02 | | valid | G | STD |
| B5INFLOW | SL | 4/6/2011 | 11043716 | 07440-61-1 | Uranium | N001 | 9.7 | ug/L | B | F | 0.02 | | valid | G | STD |
| B5INFLOW | SL | 4/11/2011 | 11053784 | 07440-61-1 | Uranium | N001 | 9.14 | ug/L | | F | 0.067 | | valid | C | GEN |
| GS01 | SL | 4/19/2011 | 11053784 | AM-241 | Americium-241 | N001 | -0.00318 | pCi/L | U | F | 0.0164 | 0.00416 | valid | C | GEN |
| GS01 | SL | 4/19/2011 | 11053784 | PU-239,240 | Plutonium-239, 240 | N001 | 0.00526 | pCi/L | U | F | 0.02 | 0.00548 | valid | C | GEN |
| GS01 | SL | 4/19/2011 | 11053784 | 07440-61-1 | Uranium | N001 | 6.04 | ug/L | | F | 0.067 | | valid | C | GEN |
| GS10 | SL | 4/6/2011 | 11043716 | 07440-61-1 | Uranium | N001 | 13 | ug/L | B | F | 0.02 | | valid | G | STD |
| GS10 | SL | 4/11/2011 | 11053784 | AM-241 | Americium-241 | N001 | 0.0228 | pCi/L | | F | 0.0186 | 0.0115 | J | C | GEN |
| GS10 | SL | 4/11/2011 | 11053784 | PU-239,240 | Plutonium-239, 240 | N001 | 0.0205 | pCi/L | U | F | 0.0205 | 0.0127 | valid | C | GEN |
| GS10 | SL | 4/11/2011 | 11053784 | 07440-61-1 | Uranium | N001 | 71 | ug/L | | F | 0.067 | | valid | C | GEN |
| GS13 | SL | 4/6/2011 | 11043716 | NO3+NO2 AS N | Nitrate + Nitrite as Nitrogen | N001 | 32 | mg/L | | F | 0.095 | | valid | G | STD |
| GS13 | SL | 4/6/2011 | 11043716 | 07440-61-1 | Uranium | N001 | 51 | ug/L | B | F | 0.02 | | valid | G | STD |
| GS13 | SL | 4/25/2011 | 11053784 | 07440-61-1 | Uranium | N001 | 51.9 | ug/L | | F | 0.067 | | valid | C | GEN |
| SPOUT | TS | 4/6/2011 | 11043716 | NO3+NO2 AS N | Nitrate + Nitrite as Nitrogen | N001 | 190 | mg/L | | F | 0.95 | | valid | G | STD |
| SPOUT | TS | 4/6/2011 | 11043716 | 07440-61-1 | Uranium | N001 | 20 | ug/L | B | F | 0.02 | | valid | G | STD |
| SW093 | SL | 4/6/2011 | 11043716 | NO3+NO2 AS N | Nitrate + Nitrite as Nitrogen | N001 | 3.2 | mg/L | | F | 0.019 | | valid | G | STD |
| SW093 | SL | 4/6/2011 | 11043716 | 07440-61-1 | Uranium | N001 | 11 | ug/L | B | F | 0.02 | | valid | G | STD |

## EXPLANATION

**SAMPLE_ID**

N00x = Sample was not filtered.
000x = Sample was filtered.

**WATER_UNIT_OF_MEASURE**

mg/L; ppm = milligrams per liter
pCi/L = picocuries per liter
ug/L = micrograms per liter
C = degrees celsius
mS/cm = milliSiemens per centimeter
NTU = normal turbidity units
s.u. = standard pH units
uS/cm = microSiemens per centimeter
umhos/cm = microSiemens per centimeter

**SAMPLE_TYPE**

F = Field Sample
D = Duplicate

**DATA_VALIDATION_QUALIFIERS**

| | |
|---|---|
| valid | Result is valid. |
| F | Low flow sampling method used. |
| G | Possible grout contamination, pH > 9. |
| J | Estimated value. |
| L | Less than 3 bore volumes purged prior to sampling. |
| Q | Qualitative result due to sampling technique |
| R | Unusable result. |
| U | Parameter analyzed for but was not detected. |
| X | Location is undefined. |
| 999 | Validation not complete |

**LAB_QUALIFIERS**

| | |
|---|---|
| * | Replicate analysis not within control limits. |
| + | Correlation coefficient for MSA < 0.995. |
| > | Result above upper detection limit. |
| A | TIC is a suspected aldol-condensation product. |
| B | Inorganic: Result is between the IDL and CRDL. Organic & Radiochemistry: Analyte also found in method blank. |
| C | Pesticide result confirmed by GC-MS. |
| D | Analyte determined in diluted sample. |
| E | Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS. |
| H | Holding time expired, value suspect. |
| I | Increased detection limit due to required dilution. |
| J | Estimated |
| M | GFAA duplicate injection precision not met. |
| N | Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compund (TIC). |
| P | > 25% difference in detected pesticide or Arochlor concentrations between 2 columns. |
| S | Result determined by method of standard addition (MSA). |
| U | Analytical result below detection limit. |
| W | Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance. |
| X | Laboratory defined (USEPA CLP organic) qualifier, see case narrative. |
| Y | Laboratory defined (USEPA CLP organic) qualifier, see case narrative. |
| Z | Laboratory defined (USEPA CLP organic) qualifier, see case narrative. |

**LOCATION_TYPE**

| | |
|---|---|
| SL | SURFACE LOCATION |
| TS | TREATMENT SYSTEM |
| WL | WELL |

**LAB_CODE**

| | |
|---|---|
| GEN | Gel Laboratories |
| STD | Test America |

**COLLECTION_METHOD**

| | |
|---|---|
| G | Grab |
| C | Composite |

*Table 2. Water Sampling Events 2nd Quarter CY 2011*

| | Sampling Dates | | Sample Info | | | Analytes | | | | | | Sample Tracking Info | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Location Code** | **Start** | **End** | **Collection Method** | **Type** | **Filtered** | **VOC** | **U** | **Nitrate** | **Pu/Am** | **SVOC** | **TSS** | **Ticket** | **RIN #** | **COC Date** |
| SPOUT | 4/6/11 10:00 | 4/6/11 10:00 | grab | F | No | | X | X | | | | JFV 173 | 11043716 | 4/8/2011 |
| SW093 | 4/6/11 10:10 | 4/6/11 10:10 | grab | F | No | | X | X | | | | JFV 174 | 11043716 | 4/8/2011 |
| GS13 | 4/6/11 10:15 | 4/6/11 10:15 | grab | F | No | | X | X | | | | JFV 180 | 11043716 | 4/8/2011 |
| A1EFF | 4/6/11 10:20 | 4/6/11 10:20 | grab | F | No | | X | X | | | | JFV 181 | 11043716 | 4/8/2011 |
| A2EFF | 4/6/11 10:30 | 4/6/11 10:30 | grab | F | No | | X | X | | | | JFV 182 | 11043716 | 4/8/2011 |
| A4 POND | 4/6/11 10:45 | 4/6/11 10:45 | grab | F | No | | X | X | | | | JFV 175 | 11043716 | 4/8/2011 |
| B5 POND | 4/6/11 10:50 | 4/6/11 10:50 | grab | F | No | | X | | | | | JFV 177 | 11043716 | 4/8/2011 |
| B5INFLOW | 4/6/11 11:00 | 4/6/11 11:00 | grab | F | No | | X | | | | | JFV 179 | 11043716 | 4/8/2011 |
| B3OUTFLOW | 4/6/11 11:15 | 4/6/11 11:15 | grab | F | No | | X | | | | | JFV 178 | 11043716 | 4/8/2011 |
| GS10 | 4/6/11 11:20 | 4/6/11 11:20 | grab | F | No | | X | | | | | JFV 176 | 11043716 | 4/8/2011 |
| GS13 | 4/7/11 9:19 | 4/25/11 9:49 | composite | F | No | | X | | | | | JFV 558 | 11043723 | 5/9/2011 |
| GS10 | 4/11/11 10:50 | 5/4/11 11:39 | composite | F | No | | X | | X | | | JGQ 535 | 11053784 | 5/11/2011 |
| B5INFLOW | 4/11/11 12:58 | 5/4/11 13:08 | composite | F | No | | X | | | | | JGQ 541 | 11053784 | 5/11/2011 |
| 42505 | 4/13/11 12:40 | 4/13/11 12:40 | grab | F | No | X | | | | | | JFV 497 | 11043717 | 4/14/2011 |
| GS13 | 4/13/11 13:49 | 4/13/11 13:49 | grab | F | No | | | X | | | | JFV 488 | 11043717 | 4/14/2011 |
| 10594 | 4/13/11 14:58 | 4/13/11 14:58 | grab | F | No | X | | X | | | | JFV 489 | 11043717 | 4/14/2011 |
| 10594 | 4/13/11 14:58 | 4/13/11 14:58 | grab | F | Yes | | X | | | | | JFV 489 | 11043717 | 4/14/2011 |
| A3EFF | 4/19/11 9:30 | 4/19/11 9:30 | grab | F | No | | X | X | | | | JFW 252 | 11043739 | 4/21/2011 |
| A1EFF | 4/19/11 9:45 | 4/19/11 9:45 | grab | F | No | | X | X | | | | JFW 245 | 11043739 | 4/21/2011 |
| A2EFF | 4/19/11 9:50 | 4/19/11 9:50 | grab | F | No | | X | X | | | | JFW 251 | 11043739 | 4/21/2011 |
| GS13 | 4/19/11 10:00 | 4/19/11 10:00 | grab | F | No | | X | X | | | | JFW 244 | 11043739 | 4/21/2011 |
| SW093 | 4/19/11 10:05 | 4/19/11 10:05 | grab | F | No | | X | X | | | | JFW 243 | 11043739 | 4/21/2011 |
| A4 POND | 4/19/11 10:15 | 4/19/11 10:15 | grab | F | No | | X | X | | | | JFW 246 | 11043739 | 4/21/2011 |
| B5 POND | 4/19/11 10:20 | 4/19/11 10:20 | grab | F | No | | X | | | | | JFW 247 | 11043739 | 4/21/2011 |
| B5INFLOW | 4/19/11 10:25 | 4/19/11 10:25 | grab | F | No | | X | | | | | JFW 250 | 11043739 | 4/21/2011 |
| SPOUT | 4/19/11 10:30 | 4/19/11 10:30 | grab | F | No | | X | X | | | | JFW 242 | 11043739 | 4/21/2011 |
| B3OUTFLOW | 4/19/11 10:40 | 4/19/11 10:40 | grab | F | No | | X | | | | | JFW 248 | 11043739 | 4/21/2011 |
| GS10 | 4/19/11 10:50 | 4/19/11 10:50 | grab | F | No | | X | | | | | JFW 249 | 11043739 | 4/21/2011 |
| GS01 | 4/19/11 10:54 | 5/4/11 11:09 | composite | F | No | | X | | X | | | JGQ 542 | 11053784 | 5/11/2011 |
| SW093 | 4/20/11 9:41 | 5/12/11 12:14 | composite | F | No | | X | | X | | | JGR 791 | 11053817 | 5/24/2011 |
| SPOUT | 4/20/11 11:55 | 4/20/11 11:55 | grab | F | No | | X | X | | | | JFV 918 | 11043732 | 4/22/2011 |
| GS13 | 4/25/11 9:49 | 5/4/11 12:18 | composite | F | No | | X | | | | | JGQ 538 | 11053784 | 5/11/2011 |
| 00193 | 4/27/11 11:26 | 4/27/11 11:26 | grab | F | No | X | | | | | | JFX 235 | 11043746 | 4/29/2011 |
| 00193 | 4/27/11 11:26 | 4/27/11 11:26 | grab | F | Yes | | X | | | | | JFX 235 | 11043746 | 4/29/2011 |
| 10304 | 4/27/11 13:30 | 4/27/11 13:30 | grab | F | No | X | | X | | | | JFX 244 | 11043746 | 4/29/2011 |
| 10304 | 4/27/11 13:30 | 4/27/11 13:30 | grab | F | Yes | | X | | | | | JFX 244 | 11043746 | 4/29/2011 |
| 10304 | 4/27/11 13:30 | 4/27/11 13:30 | grab | D | No | X | | X | | | | JFX 245 | 11043746 | 4/29/2011 |
| 10304 | 4/27/11 13:30 | 4/27/11 13:30 | grab | D | Yes | | X | | | | | JFX 245 | 11043746 | 4/29/2011 |
| 89104 | 4/27/11 14:05 | 4/27/11 14:05 | grab | F | No | X | | | | | | JFX 241 | 11043746 | 4/29/2011 |
| SPOUT | 5/4/11 9:00 | 5/4/11 9:00 | grab | F | No | | X | X | | | | JGQ 490 | 11053782 | 5/9/2011 |
| SW093 | 5/4/11 9:05 | 5/4/11 9:05 | grab | F | No | | X | X | | | | JGQ 491 | 11053782 | 5/9/2011 |
| GS13 | 5/4/11 9:20 | 5/4/11 9:20 | grab | F | No | | X | X | | | | JGQ 497 | 11053782 | 5/9/2011 |
| A1EFF | 5/4/11 9:25 | 5/4/11 9:25 | grab | F | No | | X | X | | | | JGQ 498 | 11053782 | 5/9/2011 |
| A2EFF | 5/4/11 9:30 | 5/4/11 9:30 | grab | F | No | | X | X | | | | JGQ 499 | 11053782 | 5/9/2011 |
| A3EFF | 5/4/11 9:40 | 5/4/11 9:40 | grab | F | No | | X | X | | | | JGQ 500 | 11053782 | 5/9/2011 |
| A4 POND | 5/4/11 9:50 | 5/4/11 9:50 | grab | F | No | | X | X | | | | JGQ 492 | 11053782 | 5/9/2011 |
| B5 POND | 5/4/11 10:00 | 5/4/11 10:00 | grab | F | No | | X | | | | | JGQ 494 | 11053782 | 5/9/2011 |
| B5INFLOW | 5/4/11 10:15 | 5/4/11 10:15 | grab | F | No | | X | | | | | JGQ 496 | 11053782 | 5/9/2011 |
| B3OUTFLOW | 5/4/11 10:30 | 5/4/11 10:30 | grab | F | No | | X | | | | | JGQ 495 | 11053782 | 5/9/2011 |

*Table 2. Water Sampling Events 2nd Quarter CY 2011*

| | Sampling Dates | | Sample Info | | | Analytes | | | | | | Sample Tracking Info | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Location Code** | **Start** | **End** | **Collection Method** | **Type** | **Filtered** | **VOC** | **U** | **Nitrate** | **Pu/Am** | **SVOC** | **TSS** | **Ticket** | **RIN #** | **COC Date** |
| GS10 | 5/4/11 10:45 | 5/4/11 10:45 | grab | F | No | | X | | | | | JGQ 493 | 11053782 | 5/9/2011 |
| GS01 | 5/4/11 11:09 | 5/12/11 10:03 | composite | F | No | | X | | X | | | JGR 790 | 11053817 | 5/24/2011 |
| GS10 | 5/4/11 11:39 | 5/13/11 12:25 | composite | F | No | | X | | X | | | JGR 783 | 11053817 | 5/24/2011 |
| GS13 | 5/4/11 12:18 | 5/12/11 11:58 | composite | F | No | | X | | | | | JGR 786 | 11053817 | 5/24/2011 |
| 00997 | 5/4/11 12:40 | 5/4/11 12:40 | grab | F | No | X | | X | | | | JGZ 278 | 11053769 | 5/6/2011 |
| 00997 | 5/4/11 12:40 | 5/4/11 12:40 | grab | F | Yes | | X | | | | | JGZ 278 | 11053769 | 5/6/2011 |
| 00997 | 5/4/11 12:40 | 5/4/11 12:40 | grab | D | No | X | | X | | | | JGZ 279 | 11053769 | 5/6/2011 |
| 00997 | 5/4/11 12:40 | 5/4/11 12:40 | grab | D | Yes | | X | | | | | JGZ 279 | 11053769 | 5/6/2011 |
| B5INFLOW | 5/4/11 13:08 | 5/13/11 12:06 | composite | F | No | | X | | | | | JGR 789 | 11053817 | 5/24/2011 |
| GS12 | 5/4/11 13:33 | 5/18/11 12:47 | composite | F | No | | X | | | | | JGR 990 | 11053822 | 5/25/2011 |
| GS01 | 5/9/11 8:30 | 5/9/11 8:30 | grab | E | No | | X | | X | | | JGQ 544 | 11053784 | 5/11/2011 |
| GS13 | 5/9/11 9:00 | 5/9/11 9:00 | grab | E | No | | X | | | | | JGQ 545 | 11053784 | 5/11/2011 |
| GS10 | 5/9/11 14:10 | 5/9/11 14:10 | grab | F | No | X | | | | | | JGQ 533 | 11053783 | 5/13/2011 |
| GS01 | 5/12/11 10:03 | 5/18/11 10:38 | composite | F | No | | X | | X | | | JGR 988 | 11053822 | 5/25/2011 |
| GS13 | 5/12/11 11:58 | 5/18/11 12:04 | composite | F | No | | X | | | | | JGR 984 | 11053822 | 5/25/2011 |
| SW093 | 5/12/11 12:14 | 5/18/11 11:49 | composite | F | No | | X | | X | | | JGR 989 | 11053822 | 5/25/2011 |
| B5INFLOW | 5/13/11 12:06 | 5/18/11 11:20 | composite | F | No | | X | | | | | JGR 987 | 11053822 | 5/25/2011 |
| GS10 | 5/13/11 12:25 | 5/20/11 12:03 | composite | F | No | | X | | X | | | JGS 295 | 11053830 | 6/6/2011 |
| SPOUT | 5/18/11 9:00 | 5/18/11 9:00 | grab | F | No | | X | X | | | | JGR 954 | 11053821 | 5/25/2011 |
| SW093 | 5/18/11 9:10 | 5/18/11 9:10 | grab | F | No | | X | X | | | | JGR 955 | 11053821 | 5/25/2011 |
| GS13 | 5/18/11 9:15 | 5/18/11 9:15 | grab | F | No | | X | X | | | | JGR 961 | 11053821 | 5/25/2011 |
| A1EFF | 5/18/11 9:20 | 5/18/11 9:20 | grab | F | No | | X | X | | | | JGR 962 | 11053821 | 5/25/2011 |
| A2EFF | 5/18/11 9:30 | 5/18/11 9:30 | grab | F | No | | X | X | | | | JGR 963 | 11053821 | 5/25/2011 |
| A3EFF | 5/18/11 9:40 | 5/18/11 9:40 | grab | F | No | | X | X | | | | JGR 964 | 11053821 | 5/25/2011 |
| A4 POND | 5/18/11 9:50 | 5/18/11 9:50 | grab | F | No | | X | X | | | | JGR 956 | 11053821 | 5/25/2011 |
| B5 POND | 5/18/11 10:00 | 5/18/11 10:00 | grab | F | No | | X | | | | | JGR 958 | 11053821 | 5/25/2011 |
| B5INFLOW | 5/18/11 10:10 | 5/18/11 10:10 | grab | F | No | | X | | | | | JGR 960 | 11053821 | 5/25/2011 |
| B3OUTFLOW | 5/18/11 10:20 | 5/18/11 10:20 | grab | F | No | | X | | | | | JGR 959 | 11053821 | 5/25/2011 |
| GS10 | 5/18/11 10:30 | 5/18/11 10:30 | grab | F | No | | X | | | | | JGR 957 | 11053821 | 5/25/2011 |
| GS01 | 5/18/11 10:36 | 5/19/11 13:59 | composite | F | No | | X | | X | | | JGR 991 | 11053822 | 5/25/2011 |
| GS01 | 5/18/11 10:38 | 5/19/11 13:59 | composite | F | No | | | | | | X | JGR 760 | 11053813 | 5/20/2011 |
| B5INFLOW | 5/18/11 11:20 | 5/19/11 12:26 | composite | F | No | | X | | | | | JIT 807 | 11073928 | 7/6/2011 |
| SW093 | 5/18/11 11:49 | 5/19/11 11:20 | composite | F | No | | X | | X | | | JGR 992 | 11053822 | 5/25/2011 |
| SW093 | 5/18/11 11:49 | 5/19/11 11:20 | composite | D | No | | X | | X | | | JGR 993 | 11053822 | 5/25/2011 |
| SW093 | 5/18/11 11:49 | 5/19/11 11:20 | composite | F | No | | | | | | X | JGR 754 | 11053813 | 5/20/2011 |
| SW093 | 5/18/11 11:49 | 5/19/11 11:20 | composite | D | No | | | | | | X | JGR 755 | 11053813 | 5/20/2011 |
| SW093 | 5/18/11 11:49 | 5/19/11 11:20 | composite | F | No | | | | | | X | JGR 966 | 11053821 | 5/25/2011 |
| GS13 | 5/18/11 12:04 | 5/23/11 12:29 | composite | F | No | | X | | | | | JGS 298 | 11053830 | 6/6/2011 |
| GS12 | 5/18/11 12:47 | 5/20/11 10:46 | composite | F | No | | X | | | | | JGS 304 | 11053830 | 6/6/2011 |
| GS13 | 5/18/11 18:55 | 5/18/11 21:45 | composite | F | No | | X | | X | | | JGR 997 | 11053822 | 5/25/2011 |
| GS13 | 5/18/11 18:55 | 5/18/11 21:45 | composite | F | No | | | | | | X | JGR 758 | 11053813 | 5/20/2011 |
| A1EFF | 5/18/11 19:24 | 5/18/11 22:44 | composite | F | No | | X | | X | | | JGR 994 | 11053822 | 5/25/2011 |
| A1EFF | 5/18/11 19:24 | 5/18/11 22:44 | composite | F | No | | | | | | X | JGR 759 | 11053813 | 5/20/2011 |
| B3OUTFLOW | 5/18/11 19:42 | 5/18/11 23:02 | composite | F | No | | X | | X | | | JGR 996 | 11053822 | 5/25/2011 |
| B3OUTFLOW | 5/18/11 19:42 | 5/18/11 23:02 | composite | F | No | | | | | | X | JGR 757 | 11053813 | 5/20/2011 |
| GS10 | 5/18/11 19:44 | 5/18/11 23:04 | composite | F | No | | X | | X | | | JGR 995 | 11053822 | 5/25/2011 |
| GS10 | 5/18/11 19:44 | 5/18/11 23:04 | composite | F | No | | | | | | X | JGR 756 | 11053813 | 5/20/2011 |
| SW093 | 5/19/11 11:20 | 5/23/11 11:44 | composite | F | No | | X | | X | | | JGS 303 | 11053830 | 6/6/2011 |
| B5INFLOW | 5/19/11 12:26 | 5/20/11 11:44 | composite | F | No | | X | | | | | JGS 301 | 11053830 | 6/6/2011 |
| GS01 | 5/19/11 13:59 | 5/23/11 10:10 | composite | F | No | | X | | X | | | JGS 302 | 11053830 | 6/6/2011 |

*Table 2. Water Sampling Events 2nd Quarter CY 2011*

| | Sampling Dates | | Sample Info | | | Analytes | | | | | | Sample Tracking Info | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Location Code** | **Start** | **End** | **Collection Method** | **Type** | **Filtered** | **VOC** | **U** | **Nitrate** | **Pu/Am** | **SVOC** | **TSS** | **Ticket** | **RIN #** | **COC Date** |
| GS12 | 5/20/11 10:46 | 5/23/11 13:04 | composite | F | No | | X | | | | | JGS 306 | 11053830 | 6/6/2011 |
| B5INFLOW | 5/20/11 11:44 | 6/3/11 11:25 | composite | F | No | | X | | | | | JHS 861 | 11063859 | 6/7/2011 |
| GS10 | 5/20/11 12:03 | 6/3/11 10:56 | composite | F | No | | X | | X | | | JHS 858 | 11063859 | 6/7/2011 |
| SW093 | 5/23/11 11:44 | 7/1/11 10:12 | composite | F | No | | X | | X | | | JIT 726 | 11073921 | 7/5/2011 |
| GS13 | 5/23/11 12:29 | 6/3/11 11:38 | composite | F | No | | X | | | | | JHS 859 | 11063859 | 6/7/2011 |
| GS12 | 5/23/11 13:04 | 6/3/11 11:59 | composite | F | No | | X | | | | | JHS 865 | 11063859 | 6/7/2011 |
| B206989 | 5/25/11 11:36 | 5/25/11 11:36 | grab | F | No | X | | X | | | | JGR 691 | 11053811 | 5/27/2011 |
| B206989 | 5/25/11 11:36 | 5/25/11 11:36 | grab | F | Yes | | X | | | | | JGR 691 | 11053811 | 5/27/2011 |
| 4087 | 5/25/11 12:16 | 5/25/11 12:16 | grab | F | No | X | | X | | | | JGR 690 | 11053811 | 5/27/2011 |
| 4087 | 5/25/11 12:16 | 5/25/11 12:16 | grab | F | Yes | | X | | | | | JGR 690 | 11053811 | 5/27/2011 |
| 11104 | 5/31/11 12:35 | 5/31/11 12:35 | grab | F | No | X | | | | | | JGS 543 | 11053839 | 6/3/2011 |
| 11104 | 5/31/11 12:35 | 5/31/11 12:35 | grab | F | Yes | | X | | | | | JGS 543 | 11053839 | 6/3/2011 |
| SPOUT | 6/1/11 9:00 | 6/1/11 9:00 | grab | F | No | | X | X | | | | JHS 731 | 11063852 | 6/3/2011 |
| SW093 | 6/1/11 9:10 | 6/1/11 9:10 | grab | F | No | | X | X | | | | JHS 732 | 11063852 | 6/3/2011 |
| GS13 | 6/1/11 9:15 | 6/1/11 9:15 | grab | F | No | | X | X | | | | JHS 738 | 11063852 | 6/3/2011 |
| A1EFF | 6/1/11 9:20 | 6/1/11 9:20 | grab | F | No | | X | X | | | | JHS 739 | 11063852 | 6/3/2011 |
| A2EFF | 6/1/11 9:30 | 6/1/11 9:30 | grab | F | No | | X | X | | | | JHS 740 | 11063852 | 6/3/2011 |
| A3EFF | 6/1/11 9:45 | 6/1/11 9:45 | grab | F | No | | X | X | | | | JHS 741 | 11063852 | 6/3/2011 |
| A4 POND | 6/1/11 10:00 | 6/1/11 10:00 | grab | F | No | | X | X | | | | JHS 733 | 11063852 | 6/3/2011 |
| B5 POND | 6/1/11 10:05 | 6/1/11 10:05 | grab | F | No | | X | | | | | JHS 735 | 11063852 | 6/3/2011 |
| B5INFLOW | 6/1/11 10:10 | 6/1/11 10:10 | grab | F | No | | X | | | | | JHS 737 | 11063852 | 6/3/2011 |
| B3OUTFLOW | 6/1/11 10:15 | 6/1/11 10:15 | grab | F | No | | X | | | | | JHS 736 | 11063852 | 6/3/2011 |
| GS10 | 6/1/11 10:20 | 6/1/11 10:20 | grab | F | No | | X | | | | | JHS 734 | 11063852 | 6/3/2011 |
| GS10 | 6/3/11 10:56 | 6/13/11 10:22 | composite | F | No | | X | | X | | | JHT 251 | 11063896 | 6/16/2011 |
| B5INFLOW | 6/3/11 11:25 | 7/1/11 9:38 | composite | F | No | | X | | | | | JIT 720 | 11073921 | 7/5/2011 |
| GS13 | 6/3/11 11:38 | 7/1/11 9:50 | composite | F | No | | X | | | | | JIT 718 | 11073921 | 7/5/2011 |
| GS12 | 6/3/11 11:59 | 6/15/11 8:49 | composite | F | No | | X | | | | | JHT 258 | 11063896 | 6/16/2011 |
| GS10 | 6/13/11 10:22 | 7/1/11 9:00 | composite | F | No | | X | | X | | | JIT 716 | 11073921 | 7/5/2011 |
| A3EFF | 6/15/11 8:15 | 6/15/11 8:15 | grab | F | No | | X | X | | | | JHT 200 | 11063894 | 6/15/2011 |
| SPOUT | 6/15/11 8:30 | 6/15/11 8:30 | grab | F | No | | X | X | | | | JHT 190 | 11063894 | 6/15/2011 |
| SW093 | 6/15/11 8:35 | 6/15/11 8:35 | grab | F | No | | X | X | | | | JHT 191 | 11063894 | 6/15/2011 |
| GS13 | 6/15/11 8:40 | 6/15/11 8:40 | grab | F | No | | X | X | | | | JHT 197 | 11063894 | 6/15/2011 |
| A1EFF | 6/15/11 8:45 | 6/15/11 8:45 | grab | F | No | | X | X | | | | JHT 198 | 11063894 | 6/15/2011 |
| GS12 | 6/15/11 8:49 | 7/1/11 10:31 | composite | F | No | | X | | | | | JIT 725 | 11073921 | 7/5/2011 |
| A2EFF | 6/15/11 8:50 | 6/15/11 8:50 | grab | F | No | | X | X | | | | JHT 199 | 11063894 | 6/15/2011 |
| A4 POND | 6/15/11 9:00 | 6/15/11 9:00 | grab | F | No | | X | X | | | | JHT 192 | 11063894 | 6/15/2011 |
| B5 POND | 6/15/11 9:05 | 6/15/11 9:05 | grab | F | No | | X | | | | | JHT 194 | 11063894 | 6/15/2011 |
| B5INFLOW | 6/15/11 9:10 | 6/15/11 9:10 | grab | F | No | | X | | | | | JHT 196 | 11063894 | 6/15/2011 |
| B3OUTFLOW | 6/15/11 9:20 | 6/15/11 9:20 | grab | F | No | | X | | | | | JHT 195 | 11063894 | 6/15/2011 |
| GS10 | 6/15/11 9:30 | 6/15/11 9:30 | grab | F | No | | X | | | | | JHT 193 | 11063894 | 6/15/2011 |
| B3OUTFLOW | 6/20/11 3:34 | 6/20/11 6:19 | composite | F | No | | X | | X | | | JIT 717 | 11073921 | 7/5/2011 |
| GS10 | 6/20/11 3:53 | 6/20/11 5:13 | composite | F | No | | X | | X | | | JIT 724 | 11073921 | 7/5/2011 |
| SPOUT | 6/30/11 9:00 | 6/30/11 9:00 | grab | F | No | | X | X | | | | JHT 686 | 11063918 | 6/30/2011 |
| GS13 | 6/30/11 9:05 | 6/30/11 9:05 | grab | F | No | | X | X | | | | JHT 688 | 11063918 | 6/30/2011 |
| SW093 | 6/30/11 9:05 | 6/30/11 9:05 | grab | F | No | | X | X | | | | JHT 687 | 11063918 | 6/30/2011 |
| A1EFF | 6/30/11 9:20 | 6/30/11 9:20 | grab | F | No | | X | X | | | | JHT 689 | 11063918 | 6/30/2011 |
| A2EFF | 6/30/11 9:25 | 6/30/11 9:25 | grab | F | No | | X | X | | | | JHT 695 | 11063918 | 6/30/2011 |
| A3EFF | 6/30/11 9:30 | 6/30/11 9:30 | grab | F | No | | X | X | | | | JHT 696 | 11063918 | 6/30/2011 |
| A4 POND | 6/30/11 9:40 | 6/30/11 9:40 | grab | F | No | | X | X | | | | JHT 690 | 11063918 | 6/30/2011 |
| B5 POND | 6/30/11 9:50 | 6/30/11 9:50 | grab | F | No | | X | | | | | JHT 691 | 11063918 | 6/30/2011 |

*Table 2. Water Sampling Events 2nd Quarter CY 2011*

| | Sampling Dates | | Sample Info | | | Analytes | | | | | | Sample Tracking Info | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Location Code** | **Start** | **End** | **Collection Method** | **Type** | **Filtered** | **VOC** | **U** | **Nitrate** | **Pu/Am** | **SVOC** | **TSS** | **Ticket** | **RIN #** | **COC Date** |
| B5INFLOW | 6/30/11 9:55 | 6/30/11 9:55 | grab | F | No | | X | | | | | JHT 694 | 11063918 | 6/30/2011 |
| B3OUTFLOW | 6/30/11 10:05 | 6/30/11 10:05 | grab | F | No | | X | | | | | JHT 692 | 11063918 | 6/30/2011 |
| GS10 | 6/30/11 10:10 | 6/30/11 10:10 | grab | F | No | | X | | | | | JHT 693 | 11063918 | 6/30/2011 |

## EXPLANATION

**Sample Info: Type**
F = Field Sample
D = Duplicate

**Analytes**
VOC = volatile organic compounds
U = uranium
Nitrate = nitrate + nitrite as N
Pu/Am = plutonium-239,240 and americium-241
SVOC = semi-volatile organic compounds
TSS = total suspended solids

**Sample Tracking Info: Ticket**
- tracking identifier

**Sample Tracking Info: RIN#**
- lab requisition number

**Sample Tracking Info: COC Date**
- Chain of Custody date